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 O'Reilly, P.;
 Communications Magazine, IEEE
 Volume 24, Issue 5, May 1986 Page(s):62 - 63
[AbstractPlus](#) | Full Text: [PDF\(224 KB\)](#) IEEE JNL
- ☐ **2. An Efficient Simulation Technique for Performance Studies of CSMA/CD Local Network**
 O'Reilly, P.; Hammond, J., Jr.;
 Selected Areas in Communications, IEEE Journal on
 Volume 2, Issue 1, Jan 1984 Page(s):238 - 249
[AbstractPlus](#) | Full Text: [PDF\(1128 KB\)](#) IEEE JNL
- ☐ **3. An architectural approach to minimizing feature interactions in telecommunications**
 Zibman, I.; Woolf, C.; O'Reilly, P.; Strickland, L.; Willis, D.; Visser, J.;
 Networking, IEEE/ACM Transactions on
 Volume 4, Issue 4, Aug. 1996 Page(s):582 - 596
 Digital Object Identifier 10.1109/90.532867
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1500 KB\)](#) IEEE JNL
- ☐ **4. Analysis of optimisation issues in multi-period DWDM network planning**
 Geary, N.; Antonopoulos, A.; Drakopoulos, E.; O'Reilly, J.;
 INFOCOM 2001. Twentieth Annual Joint Conference of the IEEE Computer and
 Communications Societies. Proceedings. IEEE
 Volume 1, 22-26 April 2001 Page(s):152 - 158 vol.1
 Digital Object Identifier 10.1109/INFCOM.2001.916697
[AbstractPlus](#) | Full Text: [PDF\(116 KB\)](#) IEEE CNF
- ☐ **5. Predicting FDDI computer network performance using a calibrated software simulation model**
 Dempsey, S.; Reilly, W.J.; Teter, M.; Weinberg, L.;
 Performance, Computing, and Communications Conference, 1997. IPCCC 1997., IEEE
 International
 5-7 Feb 1997 Page(s):1 - 9
 Digital Object Identifier 10.1109/PCCC.1997.581366
[AbstractPlus](#) | Full Text: [PDF\(544 KB\)](#) IEEE CNF
- ☐ **6. Predicting FDDI computer network performance using a calibrated software simulation**

model

Dempsey, S.; Reilly, W.J.; Teter, M.; Weinberg, L.;
Performance, Computing, and Communications Conference, 1997. IPCCC 1997., IEEE
International

5-7 Feb. 1997 Page(s):1 - 9

Digital Object Identifier 10.1109/PCCC.1997.581364

[AbstractPlus](#) | Full Text: [PDF](#)(340 KB) IEEE CNF

**7. MSS architectures for 21st century wireless communications**

Reilly, P.; Di Lapi, C.;

Universal Personal Communications, 1994. Record., 1994 Third Annual International
Conference on

27 Sept.-1 Oct. 1994 Page(s):460 - 464

Digital Object Identifier 10.1109/ICUPC.1994.383116

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IEEE STD IEEE Standard

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1. The design and management of ATM virtual path connection networks

Arvidsson, A.; Berezner, S.A.; Krzesinski, A.E.;
Modeling, Analysis and Simulation of Computer and Telecommunication Systems, 1999.
Proceedings. 7th International Symposium on
24-28 Oct. 1999 Page(s):2 - 9
Digital Object Identifier 10.1109/MASCOT.1999.805034
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2. Availability models for protection techniques in WDM networks

Arci, D.; Maier, G.; Pattavina, A.; Petecchi, D.; Tornatore, M.;
Design of Reliable Communication Networks, 2003. (DRCN 2003). Proceedings. Fourth
International Workshop on
19-22 Oct. 2003 Page(s):158 - 166
Digital Object Identifier 10.1109/DRCN.2003.1275352
[AbstractPlus](#) | Full Text: [PDF](#)(820 KB) IEEE CNF



3. Fieldbus networks for control system implementations

Kolla, S.; Border, D.; Mayer, E.;
Electrical Insulation Conference and Electrical Manufacturing & Coil Winding Technology
Conference, 2003. Proceedings
23-25 Sept. 2003 Page(s):493 - 498
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4. Scalability of a Class of Switch Networks

Yue Yao;
Communication Networks and Services Research Conference, 2005. Proceedings of the 3rd
Annual
16-18 May 2005 Page(s):22 - 27
Digital Object Identifier 10.1109/CNSR.2005.55
[AbstractPlus](#) | Full Text: [PDF](#)(128 KB) IEEE CNF

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☒ document 12 of 15 [Order Document](#)**INSPEC - 1969 to date (INZZ)****Accession number & update**

6110771, B9901-6150P-011; 981208.

Title**Modeling recoverable connections in fault-tolerant ATM networks.****Author(s)**

Stahl-M-E; Bianchini-R-P; Ed. by Ni-L; Znati-T-F.

Author affiliation

Dept of Electr & Comput Eng, Carnegie Mellon Univ, Pittsburgh, PA, USA.

SourceProceedings of **Communication Networks** and Distributed Systems **Modeling** and Simulation Conference, Phoenix, AZ, USA, 12-15 Jan. 1997.

Sponsors: SCS.

In: p.139-45, 1997.

ISSN

ISBN: 1-56555-108-7.

Publication year

1997.

Language

EN.

Publication type

CPP Conference Paper.

Treatment codes

P Practical; T Theoretical or Mathematical.

Abstract

As reliance on ATM **networks** increases, there is a corresponding increase in the need for reliability. One approach to fault-tolerance is to make the network selfhealing, by having the network automatically reconnect virtual paths (VPs) disconnected by a failure. Existing recovery schemes suffer from an inability to provide multiple grades of reliability to higher layers when recovery occurs at a lower level. This paper introduces a new model of a virtual path, the variable priority virtual path, that allows the network to perform path level recovery that respects the priorities of individual circuits without segregating them onto separate VPs. The impact of fault-tolerance on the user interface is discussed and an extension to existing service classes, degradable service, that is made possible by variable priority paths is proposed. A novel multi-commodity flow problem, recovery flow, that captures both the bandwidth and QoS constraints of ATM is derived and an example of how the recovery flow problem can be solved using integer programming techniques is given. (24 refs).

Descriptorsasynchronous-transfer-mode; fault-tolerance; integer-programming;

quality-of-service; telecommunication-network-routing.

Keywords

recoverable connection **modeling**; fault tolerant ATM **networks**; reliability; selfhealing **networks**; automatic virtual path reconnection; failure disconnection; recovery schemes; multiple reliability grades; variable priority virtual path; path level recovery; user interface; service classes; degradable service; multi commodity flow problem; recovery flow; ATM bandwidth constraints; QoS constraints; integer programming techniques; telecommunication routing.

Classification codes

B6150P (**Communication** network design, planning and routing).

B0260 (Optimisation techniques).

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Accession number & update

4144644, B9206-6210L-070, C9206-7410F-032; 920429.

Title

Communication network architectural design using BONeS.

Author(s)

Poon-C-C-K; Shanmugan-S-K; Ed. by Poo-G-S.

Author affiliation

Comdisco Syst Inc, San Jose, CA, USA.

Source

Proceedings of the 1991 Singapore International Conference on **Networks**. Towards Network Globalisation, Singapore, 5-6 Sept. 1991, p.326-31.

Published: World Scientific, Singapore, 1991, xviii+422 pp.

ISSN

ISBN: 981-02-0796-4.

Publication year

1991.

Language

EN.

Publication type

CPP Conference Paper.

Treatment codes

A Application; P Practical.

Abstract

Rapid proliferation of data **communication networks** has resulted in development of large **networks** consisting of hundreds nodes. **Connections** among the nodes could be done using different means and standards. Their topological structures and network architectures could determine the performance, cost and reliability of the network. Since a systematic analytical **modeling** of a large scale network is not available, computer simulation is used as an alternative to solve network design problems. A discrete event driven simulator called BONE S which provides a hierarchical design paradigm for network design is presented. (0 refs).

Descriptors

CAD; data-communication-systems; digital-simulation;
telecommunication-networks; telecommunications-computing.

Keywords

architectural design; data **communication networks**; standards; topological structures; network architectures; performance; cost; reliability; computer simulation; network design; discrete event driven simulator; BONEs; hierarchical design paradigm.



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6743906, B2000-12-6250F-032; 20001001.

Title

An architecture of ATM-based PCS network: signaling traffic and capacity.

Author(s)

Duk-Kyung-Kim; Seung-Joon-Lee; Dae-Woo-Choi; Dan-Keun-Sung.

Author affiliation

Dept of Electr Eng, Korea Adv Inst of Sci & Technol, Taejon, South Korea.

Source

Telecommunication-Systems-Modeling-Analysis-Design-and-Management
(Netherlands), vol.14, no.1-4, p.75-93, 2000. , Published: Baltzer.

CODEN

TESYEV.

ISSN

ISSN: 1018-4864.

Availability

SICI: 1018-4864(2000)14:1/4L.75:ABNS; 1-2.

Publication year

2000.

Language

EN.

Publication type

J Journal Paper.

Treatment codes

P Practical.

Abstract

We propose an ATM-based personal **communication** service (PCS) network architecture with ring-based access **networks**. We also propose a simple ring management scheme using ATM add-drop multiplexers (ADM). The ring has a virtual star topology, and we manage its bandwidth at two levels: the virtual path (VP) level and virtual channel (VC) level. We consider four **different types** of configurations according to the locations of visitor location register (VLR) and mobile switching center (MSC) functions, and obtain signaling load and processing load. A 150 Mbit/s-dual ring can support about 5500 homogeneous ON-OFF voice sources. This ring capacity corresponds to covering approximately 180 cells in the case of 30 **connections** per cell. Even though we are here concerned with evaluating the proposed network for voice traffic, we can extend this study to the analysis of the proposed ATM-based PCS network

accommodating various **types** of multimedia traffic as a further study. (21 refs).

Descriptors

asynchronous-transfer-mode; bandwidth-allocation; cellular-radio;
channel-capacity; network-topology; personal-communication-networks;
radio-access-networks; telecommunication-network-management;
telecommunication-signalling; telecommunication-traffic.

Keywords

ATM; PCS network; signaling traffic; capacity; personal **communication** service; network architecture; ring based access **networks**; ring management scheme; add drop multiplexers; virtual star topology; bandwidth management; virtual path; virtual channel; VP; VC; visitor location register; mobile switching center; MSC; VLR; homogeneous ON OFF voice sources; cells; multimedia traffic; 150 Mbit s.

Classification codes

B6250F (Mobile radio systems).
B6150C (**Communication** switching).
B6210C (Network management).
B6250B (Radio access systems).

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1 [Hierarchical rapid modeling of picture archiving and communication systems using LANNET II.5 and NETWORK II.5](#)

Emil Wirsz, Fred W. Prior, Glenn A. Meredith, Kenneth R. Anderson

 December 1992 **Proceedings of the 24th conference on Winter simulation**

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2 [Connection caching under various models of communication](#)

Edith Cohen, Haim Kaplan, Uri Zwick

 July 2000 **Proceedings of the twelfth annual ACM symposium on Parallel algorithms and architectures**

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Motivated by Web applications, we recently introduced the following theoretical model for connection-caching: Each host on a network can maintain (cache) a limited number of connections to other hosts. A message can be transmitted from one host to another only if the connection between these two hosts is open, i.e., it is cached by both endpoints. If a message request arrives and the respective connection is not open (a miss), the connection needs to be established and cert ...

3 [Papers: TCP/IP traffic dynamics and network performance: a lesson in workload modeling, flow control, and trace-driven simulations](#)

Youngmi Joo, Vinay Ribeiro, Anja Feldmann, Anna C. Gilbert, Walter Willinger

 April 2001 **ACM SIGCOMM Computer Communication Review**, Volume 31 Issue 2

Full text available: pdf (1.42 MB)

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The main objective of this paper is to demonstrate in the context of a simple TCP/IP-based network that depending on the underlying assumptions about the inherent nature of the dynamics of network traffic, very different conclusions can be derived for a number of well-studied and apparently well-understood problems in the area of performance evaluation. For example, a traffic workload model can either completely ignore the empirically observed high variability at the TCP connection level (i.e., ...

4 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren



November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**


Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

5 The representation of multistage interconnection networks in queuing models of parallel systems

Peter G. Harrison

October 1990 **Journal of the ACM (JACM)**, Volume 37 Issue 4

Full text available:  [pdf\(2.67 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


A major component of a parallel machine is its interconnection network (IN), which provides concurrent communication between the processing elements. It is common to use a multistage interconnection network (MIN) that is constructed using crossbar switches and introduces contention not only for destination addresses but also for internal links. Both types of contention are increased when nonlocal communication across a MIN becomes concentrated on a certain destination address, the h ...

Keywords: Markov process, closed queuing network, crossbar switch, delta network, flow-equivalent server, multistage interconnection network, performance evaluation

6 Models and languages for parallel computation

David B. Skillicorn, Domenico Talia

June 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 2

Full text available:  [pdf\(298.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We survey parallel programming models and languages using six criteria to assess their suitability for realistic portable parallel programming. We argue that an ideal model should be easy to program, should have a software development methodology, should be architecture-independent, should be easy to understand, should guarantee performance, and should provide accurate information about the cost of programs. These criteria reflect our belief that developments in parallelism must be driven b ...

Keywords: general-purpose parallel computation, logic programming languages, object-oriented languages, parallel programming languages, parallel programming models, software development methods, taxonomy

7 Network architecture and traffic transport for integrated wireless communications over enterprise networks

Henry C.B. Chan, Victor C. M. Leung, Robert W. Donaldson

August 1997 **Wireless Networks**, Volume 3 Issue 3

Full text available:  [pdf\(455.85 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A novel network architecture based on the IEEE 802.6 metropolitan area networks (MAN) is proposed to integrate the wireless and wired segments of a regional enterprise network (REN) within a city. This architecture functions like a distributed switch for all types of services, reducing traffic congestion by sharing the high capacity link dynamically and

facilitating signaling, mobility management, call processing and network management through its distributed functions, transport facilities ...

8 Group communication specifications: a comprehensive study

Gregory V. Chockler, Idid Keidar, Roman Vitenberg

December 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 4

Full text available:  [pdf\(499.61 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

View-oriented group communication is an important and widely used building block for many distributed applications. Much current research has been dedicated to specifying the semantics and services of view-oriented group communication systems (GCSs). However, the guarantees of different GCSs are formulated using varying terminologies and modeling techniques, and the specifications vary in their rigor. This makes it difficult to analyze and compare the different systems. This survey provi ...

Keywords: Group communication systems, partitionable group membership, process group membership, specifications of group communication systems, view synchrony, virtual synchrony

9 Multi-level specification and protocol design for distributed multimedia communication

Taieb F. Znati, Yi Deng, Brian Field, Shi-Kuo Chang

October 1991 **ACM SIGOIS Bulletin , Conference proceedings on Organizational computing systems**, Volume 12 Issue 2-3

Full text available:  [pdf\(1.42 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Computer Communication Networks: Approaches, Objectives, and Performance Considerations

Stephen R. Kimbleton, G. Michael Schneider

September 1975 **ACM Computing Surveys (CSUR)**, Volume 7 Issue 3

Full text available:  [pdf\(3.99 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Fault recovery for guaranteed performance communications connections

Anindo Banerjee

October 1999 **IEEE/ACM Transactions on Networking (TON)**, Volume 7 Issue 5

Full text available:  [pdf\(271.52 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: B-ISDN, computer network management, connection routing, network reliability, real time channels

12 Extended performance evaluation of PRADOS: a scheduling algorithm for traffic integration in a wireless ATM network

G. Colombo, L. Lenzini, E. Mingozzi, B. Cornaglia, R. Santaniello

March 2002 **Wireless Networks**, Volume 8 Issue 2/3

Full text available:  [pdf\(231.85 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The MAC protocol, known as MASCARA (Mobile Access Scheme based on Contention And Reservation for ATM), is an infrastructure-based, adaptive TDMA scheme, which combines

reservation- and contention-based access methods to provide multiple access efficiency and Quality-of-Service (QoS) guarantees to wireless ATM terminal connections that share a common radio channel. Radio channel sharing is performed by the PRADOS (Prioritized Regulated Allocation Delay Oriented Scheduling) algorithm. In this paper ...

Keywords: Quality-of-Service, WLAN, packet scheduling, service integration, wireless LAN

13 Empirically derived analytic models of wide-area TCP connections

Vern Paxson

August 1994 **IEEE/ACM Transactions on Networking (TON)**, Volume 2 Issue 4

Full text available:  [pdf\(2.21 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)



14 Security Mechanisms in High-Level Network Protocols

Victor L. Voydock, Stephen T. Kent

June 1983 **ACM Computing Surveys (CSUR)**, Volume 15 Issue 2


Full text available:  [pdf\(3.23 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)



15 Design and analysis of low-power access protocols for wireless and mobile ATM networks

Krishna M. Sivalingam, Jyh-Cheng Chen, Prathima Agrawal, Mani B. Srivastava

January 2000 **Wireless Networks**, Volume 6 Issue 1

Full text available:  [pdf\(233.13 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the design and analysis of a low-power medium access control (MAC) protocol for wireless/mobile ATM networks. The protocol – denoted EC-MAC (energy conserving medium access control) – is designed to support different traffic types with quality-of-service (QoS) provisions. The network is based on the infrastructure model where a base station (BS) serves all the mobiles currently in its cell. A reservation ...



16 Summary of the Second International Workshop on Network and Operating System Support for Digital Audio and Video

Ralf Guido Herrtwich

April 1992 **ACM SIGOPS Operating Systems Review**, Volume 26 Issue 2

Full text available:  [pdf\(2.58 MB\)](#) Additional Information: [full citation](#), [index terms](#)



17 Resource allocation scheme for QoS provisioning in microcellular networks carrying multimedia traffic

Anna Hać, Abhinay Armstrong

September 2001 **International Journal of Network Management**, Volume 11 Issue 5

Full text available:  [pdf\(393.59 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We propose a new resource allocation scheme based on the concept of resource reservation and resource renegotiation. The new scheme is aimed at improving performance with regard to new call blocking rate, handoff dropping rate, forced call termination rate, and average bandwidth use. We compare our scheme with other schemes. The performance is evaluated by using simulation. Copyright © 2001 John Wiley & Sons, Ltd.



18 Network dimensioning and performance of multiservice, multirate loss networks with dynamic routing

D. Medhi, Sujit Guptan

December 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 6

Full text available:  pdf(257.65 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: admission control, dynamic routing, multicommodity network flow optimization model, multirate loss networks, network dimensioning, network performance

19 Network Protocols

Andrew S. Tanenbaum

December 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 4

Full text available:  pdf(3.37 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

20 Summary of the Second International Workshop on Network and Operating System Support for Digital Audio and Video

Ralf Guido Herrtwich

April 1992 **ACM SIGCOMM Computer Communication Review**, Volume 22 Issue 2

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TITLE: Method, system and program product for behavioral simulation(s) of a network adapter within a computing node or across multiple nodes of a distributed computing environment

PUBLICATION-DATE: September 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chochia, George A.	Wappingers Falls	NY	US	
Reilly, Kevin J.	Poughkeepsie	NY	US	
DiNicola, Paul D.	Hurley	NY	US	
Chen, Wen C.	Rhinebeck	NY	US	
Heywood, Patricia E.	Hopewell Junction	NY	US	

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File: PGPB

Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040155792

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040155792 A1

TITLE: Subnet addressable radio activated switch

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Joyner, Victor	South Holland	IL	US	
Reilly, Kevin P.	Hertford	NC	US	
Gell, Harold A.	Silver Spring	MD	US	

US-CL-CURRENT: 340/825.69

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File: PGPB

Jun 13, 2002

PGPUB-DOCUMENT-NUMBER: 20020073393

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020073393 A1

TITLE: System and method for automatically designing communications circuits

PUBLICATION-DATE: June 13, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Campbell, David C.	Allen	TX	US	
Dunn, Brenda D.	Frisco	TX	US	
McGuire, Mark W.	Flower Mound	TX	US	
Peterson, Joseph A.	Frisco	TX	US	
Reilly, John P.	Plano	TX	US	
Westervelt, Mary Kim	Plano	TX	US	

US-CL-CURRENT: 716/12; 716/14

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File: USPT

Aug 9, 2005

US-PAT-NO: 6927684

DOCUMENT-IDENTIFIER: US 6927684 B2

TITLE: Subnet addressable radio activated switch

DATE-ISSUED: August 9, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Joyner, Victor	South Holland	IL	60473	
Reilly, Kevin P.	Hertford	NC	27944-1153	
Gell, Harold A.	Silver Spring	MD	20906	

US-CL-CURRENT: 340/539.1; 340/825.57, 340/825.69, 455/403

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L3: Entry 5 of 7

File: USPT

May 10, 2005

US-PAT-NO: 6892169

DOCUMENT-IDENTIFIER: US 6892169 B1

TITLE: System and method for automatically designing communications circuits

DATE-ISSUED: May 10, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Campbell; David C.	Allen	TX		
Dunn; Brenda D.	Frisco	TX		
McGuire; Mark W.	Flower Mound	TX		
Peterson; Joseph A.	Frisco	TX		
Reilly; John P.	Plano	TX		
Westervelt; Mary Kim	Plano	TX		

US-CL-CURRENT: 703/1; 370/361, 379/272, 716/12

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File: USPT

Nov 4, 2003

US-PAT-NO: 6643837

DOCUMENT-IDENTIFIER: US 6643837 B2

TITLE: System and method for automatically designing communications circuits

DATE-ISSUED: November 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Campbell; David C.	Allen	TX		
Dunn; Brenda D.	Frisco	TX		
McGuire; Mark W.	Flower Mound	TX		
Peterson; Joseph A.	Frisco	TX		
Reilly; John P.	Plano	TX		
Westervelt; Mary Kim	Plano	TX		

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☐ 7. Document ID: US 5440744 A

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File: USPT

Aug 8, 1995

US-PAT-NO: 5440744

DOCUMENT-IDENTIFIER: US 5440744 A

TITLE: Methods and apparatus for implementing server functions in a distributed heterogeneous environment

DATE-ISSUED: August 8, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobson; Neal F.	Nashua	NH		
Renzullo; Michael J.	Ashland	MA		
Reilly; Paul A.	Nashua	NH		

US-CL-CURRENT: 709/203

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